

IN THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of the claims in this application.

Listing of Claims:

1. (Currently Amended) A method for operating a mobile equipment (ME) in a wireless network, comprising steps of:

~~determining a value of a parameter that is indicative of a signal quality experienced by the ME;~~

deriving an indication of ME speed in the wireless network;

transmitting the speed indication to the ME;

calculating in the ME an indication of link quality experienced by the ME, the calculation employing a filter having a finite filter length that is a function of the ~~value of the parameter speed indication~~; and

reporting the calculated indication of link quality to the wireless network.

2. (Canceled)

3. (Currently Amended) A method as in ~~claim 2~~ claim 1, wherein the step of transmitting uses a point-to-point message.

4. (Currently Amended) A method as in ~~claim 2~~ claim 1, wherein the step of transmitting places the speed indication in padding bits of a point-to-point message.

5. (Currently Amended) A method as in ~~claim 2~~ claim 1, wherein the step of transmitting uses a message sent on a Packet Associated Control Channel (PACCH).

6. (Currently Amended) A method as in claim 1, ~~for operating a mobile equipment (ME) in a wireless network, comprising:~~

~~— determining a value of a parameter that indicative of a signal quality experienced by the ME;~~

calculating in the ME an indication of link quality experienced by the ME, the calculation employing a filter having a finite filter length that is a function of the value of the parameter; and

reporting the calculated indication of link quality to the wireless network;
wherein determining comprises,

deriving an indication of ME speed in the wireless network; and
transmitting the speed indication to the ME, and

wherein the step of transmitting uses a message sent in a Packet System Identification 13 (PSI13) message sent on a Packet Associated Control Channel (PACCH).

7. (Currently Amended) A method as in claim 1, for operating a mobile equipment (ME) in a wireless network, comprising:

determining a value of a parameter that indicative of a signal quality experienced by the ME;

calculating in the ME an indication of link quality experienced by the ME, the calculation employing a filter having a finite filter length that is a function of the value of the parameter; and

reporting the calculated indication of link quality to the wireless network;
wherein determining comprises,

deriving an indication of ME speed in the wireless network; and
transmitting the speed indication to the ME, and

wherein the step of transmitting uses a plurality of bits placed into a Packet System Identification 13 (PSI13) message sent on a Packet Associated Control Channel (PACCH).

8. (Currently Amended) A method as in claim 1, for operating a mobile equipment (ME) in a wireless network, comprising:

determining a value of a parameter that indicative of a signal quality experienced by the ME;

calculating in the ME an indication of link quality experienced by the ME, the calculation employing a filter having a finite filter length that is a function of the value of the parameter; and

reporting the calculated indication of link quality to the wireless network;
wherein determining comprises,

— ~~deriving an indication of ME speed in the wireless network; and~~
— ~~transmitting the speed indication to the ME, and~~
wherein the step of transmitting uses a plurality of bits placed into padding bits of a Packet System Identification 13 (PSI13) message sent on a Packet Associated Control Channel (PACCH).

9. (Currently Amended) A method as in claim 1, ~~for operating a mobile equipment (ME) in a wireless network, comprising:~~

— ~~determining a value of a parameter that indicative of a signal quality experienced by the ME;~~
— ~~calculating in the ME an indication of link quality experienced by the ME, the calculation employing a filter having a finite filter length that is a function of the value of the parameter; and~~
— ~~reporting the calculated indication of link quality to the wireless network;~~
wherein determining comprises,
— ~~deriving an indication of ME speed in the wireless network; and~~
— ~~transmitting the speed indication to the ME, and~~
wherein the step of transmitting uses a plurality of bits for indicating a plurality of speed subranges of a speed range.

10. (Currently Amended) A method as in claim 1, ~~for operating a mobile equipment (ME) in a wireless network, comprising:~~

— ~~determining a value of a parameter that indicative of a signal quality experienced by the ME;~~
— ~~calculating in the ME an indication of link quality experienced by the ME, the calculation employing a filter having a finite filter length that is a function of the value of the parameter; and~~
— ~~reporting the calculated indication of link quality to the wireless network;~~
wherein determining comprises,
— ~~deriving an indication of ME speed in the wireless network; and~~
— ~~transmitting the speed indication to the ME, and~~
wherein the step of transmitting uses four bits for indicating 16 speed subranges within a speed range.

11. (Currently Amended) A method as in claim 1, wherein the ~~determined parameter speed indication~~ is used to modify a forgetting factor that influences a length of a filter that operates on link quality measurement data.
12. (Currently Amended) A method as in claim 1, wherein the ~~determined parameter speed indication~~ is used to calculate a forgetting factor that influences the length of the filter that operates on link quality measurement data.
13. (Currently Amended) A method as in claim 1, wherein the ~~determined parameter speed indication~~ is used to modify a forgetting factor that is received in a broadcast message from the wireless network, the forgetting factor influencing the length of the filter that operates on link quality measurement data.
14. (Currently Amended) A method as in claim 1, wherein the ~~determined parameter speed indication~~ is used to replace a forgetting factor that is received in a broadcast message from the wireless network, the forgetting factor influencing the length of the filter that operates on link quality measurement data.
15. (Original) A method as in claim 1, wherein the step of calculating takes into account a derivative of a speed of the ME.
16. (Original) A method as in claim 1, wherein the step of calculating operates on a plurality of measurements of one of a mean Bit Error Probability (BEP) or a coefficient of variation of a Bit Error Probability (cv)(BEP).
17. (Currently Amended) A wireless communications system comprised of a wireless network and at least one mobile equipment (ME) located in a serving cell of said wireless network, further comprising a unit in said wireless network for deriving an indication of a speed of said ME within the serving cell; a transmitter in said wireless network for transmitting the indication of the ME speed to the ME; a receiver in said ME for receiving said transmitted speed indication; and a processor in said ME for implementing a filter for filtering a sequence of link quality measurement data, said filter having a finite filter length

that is a function of ~~a parameter having a value that is a function of~~ said received transmitted speed indication; and a transmitter in said ME for transmitting an indication of said filtered link quality measurement data to a receiver of said wireless network.

18. (Original) A wireless communications system as in claim 17, wherein link quality measurement data is comprised of one of a mean Bit Error Probability (BEP) or a coefficient of variation of Bit Error Probability (cv)(BEP).

19. (Currently Amended) A wireless communications system comprised of a wireless network and at least one mobile equipment (ME) located in a serving cell of said wireless network, further comprising a unit in said wireless network for deriving an indication of a speed of said ME within the serving cell; a transmitter in said wireless network for transmitting the indication of the ME speed to the ME; a receiver in said ME for receiving said transmitted speed indication; and a processor in said ME for implementing a filter for filtering a sequence of link quality measurement data, said filter having a finite filter length that is a function of ~~a parameter having a value that is a function of~~ said received transmitted speed indication; and a transmitter in said ME for transmitting an indication of said filtered link quality measurement data to a receiver of said wireless network, wherein said transmitter in said wireless network transmits the indication of the ME speed by using a plurality of bits placed into padding bits of a Packet System Identification 13 (PSI13) message sent on a Packet Associated Control Channel (PACCH).

20. (Previously Presented) A method for operating a wireless communications system comprised of a wireless network and a plurality of mobile equipment (ME) located in at least one serving cell of said wireless network, comprising steps of:

 determining in the wireless network an indication of a signal quality experienced by individual ones of the plurality of ME;

 transmitting the determined indications to individual ones of the ME using a point-to-point message;

 in a particular one of the plurality of ME, receiving the transmitted indication;

 using the received indication for setting a finite length of a filter that operates on a sequence of link quality measurement data; and

 transmitting data from the filter to the wireless network.